10th Class 2019		
Physics	Group-II	Paper-II
Time: 15 Minutes	(Objective Type)	Max. Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

Power of hair dryer:

- (a) 5000 watts (b) 1500 watts
- (c) 1000 watts √ (d) 800 watts

The brain of any computer system is:

- (a) Monitor
- (b) Memory
- (c) C.P.U $\sqrt{}$ (d) Control unit

Speed of light in glass:

- (a) 2.0×10^8 m/s $\sqrt{(b)} 3.0 \times 10^8$ m/s
- (c) 2.0×10^6 m/s (d) 3.0×10^6 m/s

Boolean expression of AND operation:

- (a) $X = A.B.\sqrt{ }$ (b) X = A + B
- (c) X = Ā
- (d) X = A.B

Half-life of isotope of cobalt 27 Co:

- (a) 30 years 1/ (b) 20 years
- (c) 15 years (d) 10 years

The formula for the time period of a simple pendulum:

(a)
$$T = 2\pi \sqrt{\frac{g}{l}}$$

(a)
$$T = 2\pi \sqrt{\frac{g}{l}}$$
 (b) $T = 2\pi \sqrt{\frac{l}{g}} \sqrt{\frac{l}{g}}$
(c) $T = 2\pi \sqrt{\frac{m}{k}}$ (d) $T = 2\pi \sqrt{\frac{k}{m}}$

(c)
$$T = 2\pi \sqrt{\frac{m}{k}}$$

(d)
$$T = 2\pi \sqrt{\frac{k}{m}}$$

7-	Specific resistance of iron:		
	(a) $9.8 \times 10^{-8} \Omega m$	1	
•	(b) $100 \times 10^{-8} \Omega \text{m}$		
	(c) $10.6 \times 10^{-8} \Omega m$)	
	(d) $5.25 \times 10^{-8} \Omega n$	n	
8-	opoca of south in steel at 20 O.		
	(a) 3880 m/s	(b) 5950 m/s	
	(c) 6040 m/s	(d) 5960 m/s 1/	
9-	accordance with conservation of:		
,	(a) Mass	(b) Charge	
	(c) Momentum	(d) Energy 1/	
10-			
	(a) VC	(b) $\frac{Q}{V}$ 1	
	(c) QV	(d) V/Q	
11-	Index of refraction of ice:		
	(a) 1.00	(b) 1.33	
	(c) 1.31 $\sqrt{}$	(d) 1.36	
12-	The process by a hot metal surface	which electrons are emitted by	
	(a) Boiling	(b) Evaporation	
	(c) Conduction	(d) Thermionic emission 1/	